XIX. *Account of the Appearance of the Soil at opening a Well at* Hanby *in* Lincolnſhire. *In a Letter from Sir* Henry C. Engleſield, *Bart. F. R. and A. S. to Sir* Joſeph Banks, *Bart. P. R. S.*

Read May 3, 1781.

DEAR SIR,

THE appearance of the ſoil which fell under my own inſpection, on opening a well at Hanby, the ſeat of Sir C. BUCK, in Lenton pariſh, Lincolnſhire, being, as far as I can recollect, quite ſingular, I hope you will not think this account of it unworthy the attention of the Society.

The ſpot on which the well was ſunk is nearly on a level with Lincoln Heath, and of courſe high ground compared with the fen, which is diſtant from it above ſix miles. The ſoil was uniformly a blue clay, in parts rather inclining to a ſhaly ſtructure, and contained many caſts of tellinæ, a very little pyrites, and ſome few ſmall, but very elegant, belemnites. Theſe are all the uſual foſſils of clay; but what I think without example is, that through the whole maſs of clay were interſperſed nodules of pure chalk, evidently rounded by long attrition, and of all ſizes from that of a pea to a child's head.

They lay in no ſort of order that I could find. How deep this appearance might have continued I cannot determine, but no water having been found at the depth of thirty feet, the

trial was given up, as the expence would have exceeded the advantage propoſed. A ſpecimen of the chalk is herewith exhibited to the Society.

I muſt add, that in all the environs there is not the leaſt trace of chalk in any form whatever that I could diſcover or hear of.

I am, &c.